

A-03071 FIGS. 1 - 35

FIG. 1

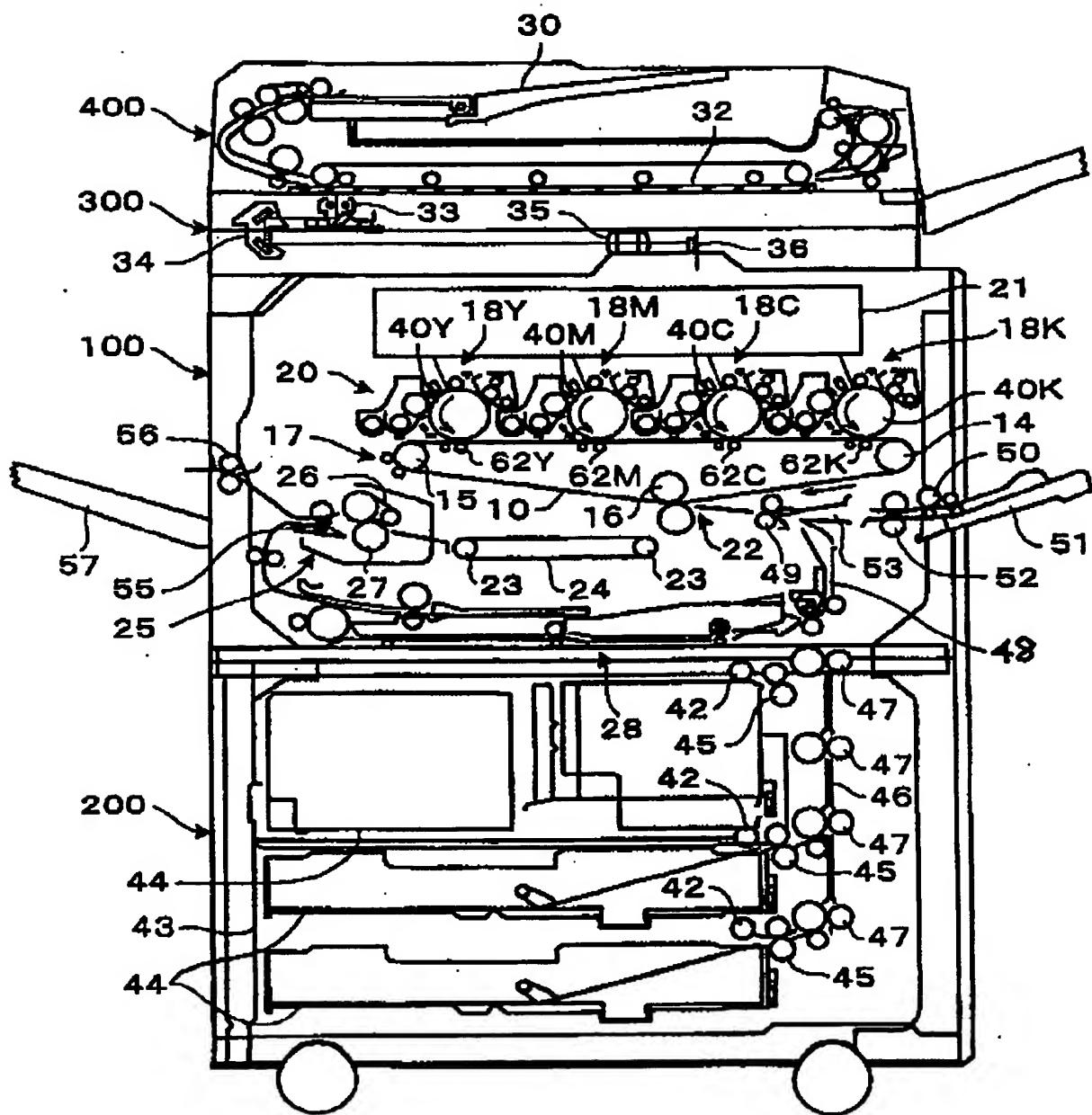


FIG. 2

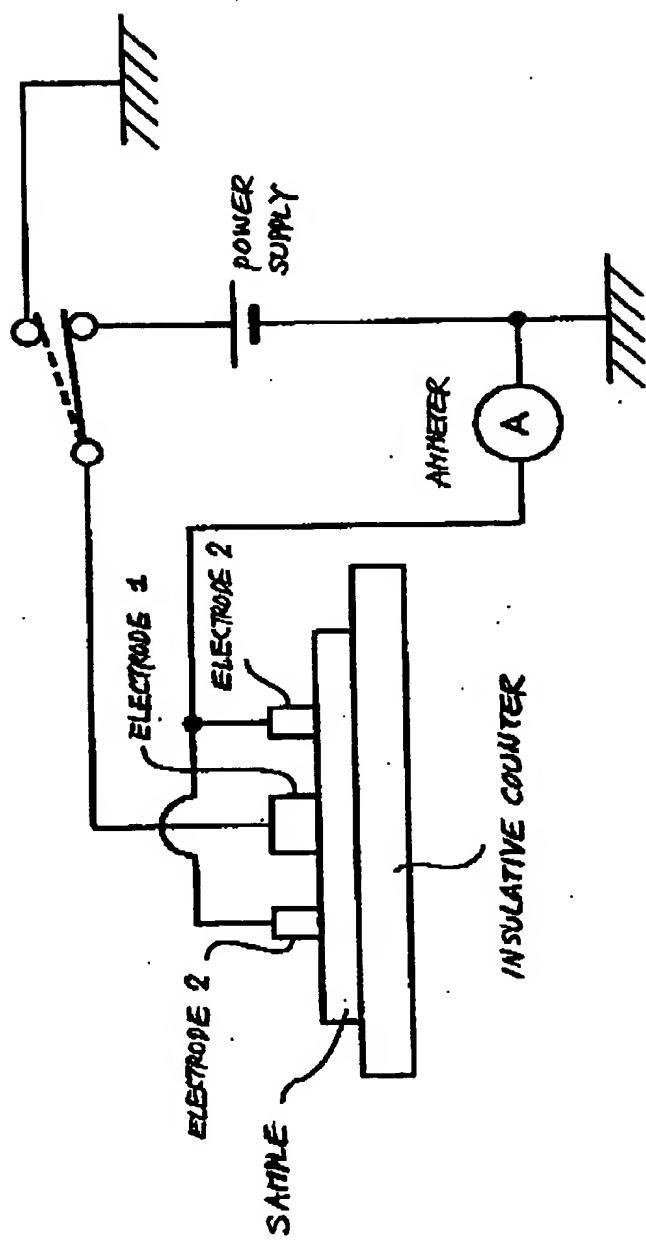


FIG. 3

BELT NO.	SURFACE RESISTIVITY VARIATION IN ABSOLUTE VALUE 10 ⁸ (Ω /□)	TRANSFERABILITY RANK
1	0. 01	5
2	0. 28	5
3	0. 45	4. 5
4	0. 60	4
5	0. 65	3. 5

FIG. 4

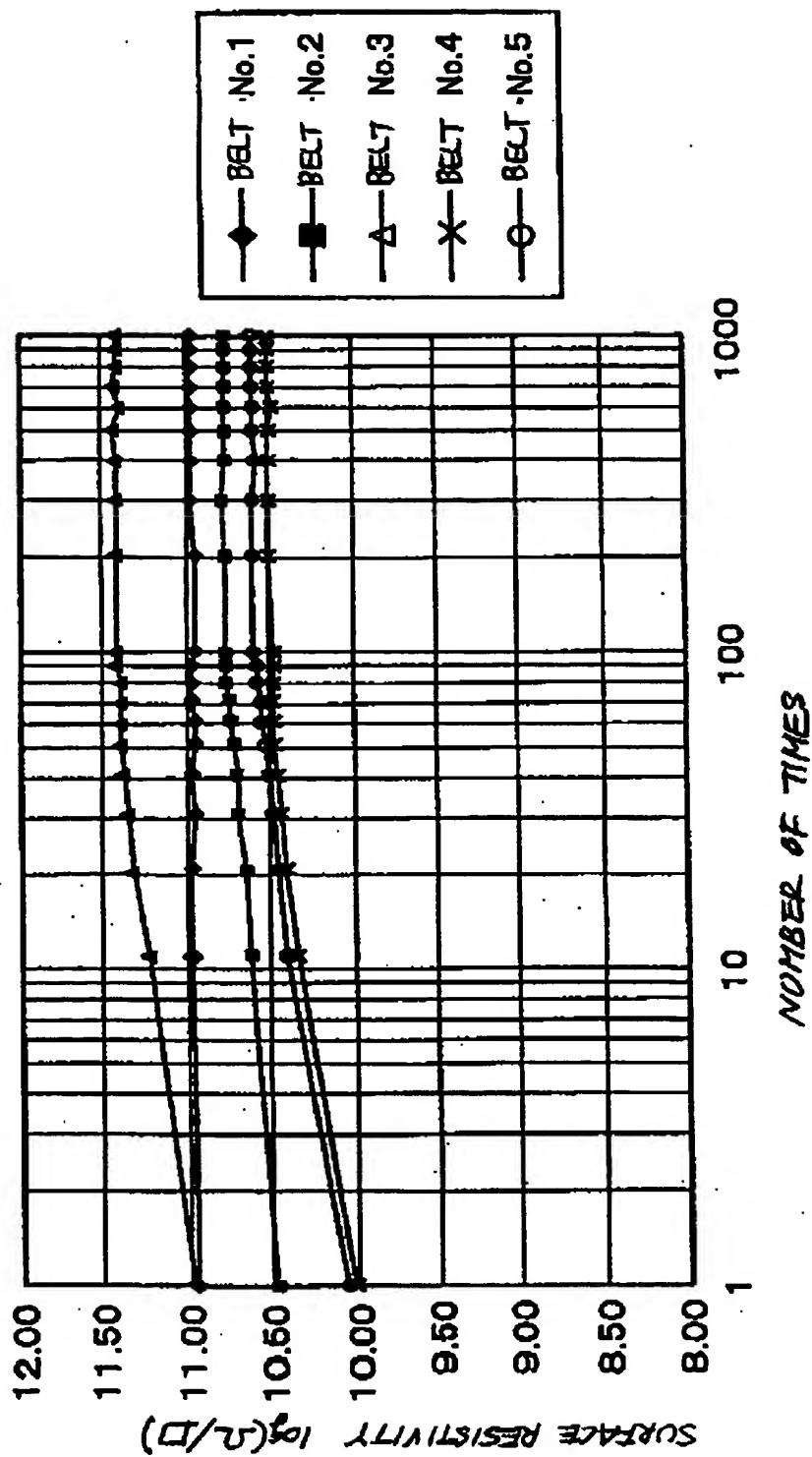


FIG. 5

BELT NO.	SURFACE RESISTIVITY VARIATION IN ABSOLUTE VALUE	TRANSFERABILITY RANK
	LOG (Ω/\square)	
6	0. 1	5
7	0. 25	5
8	0. 44	4. 5
9	0. 49	4
10	0. 56	3. 5

FIG. 6

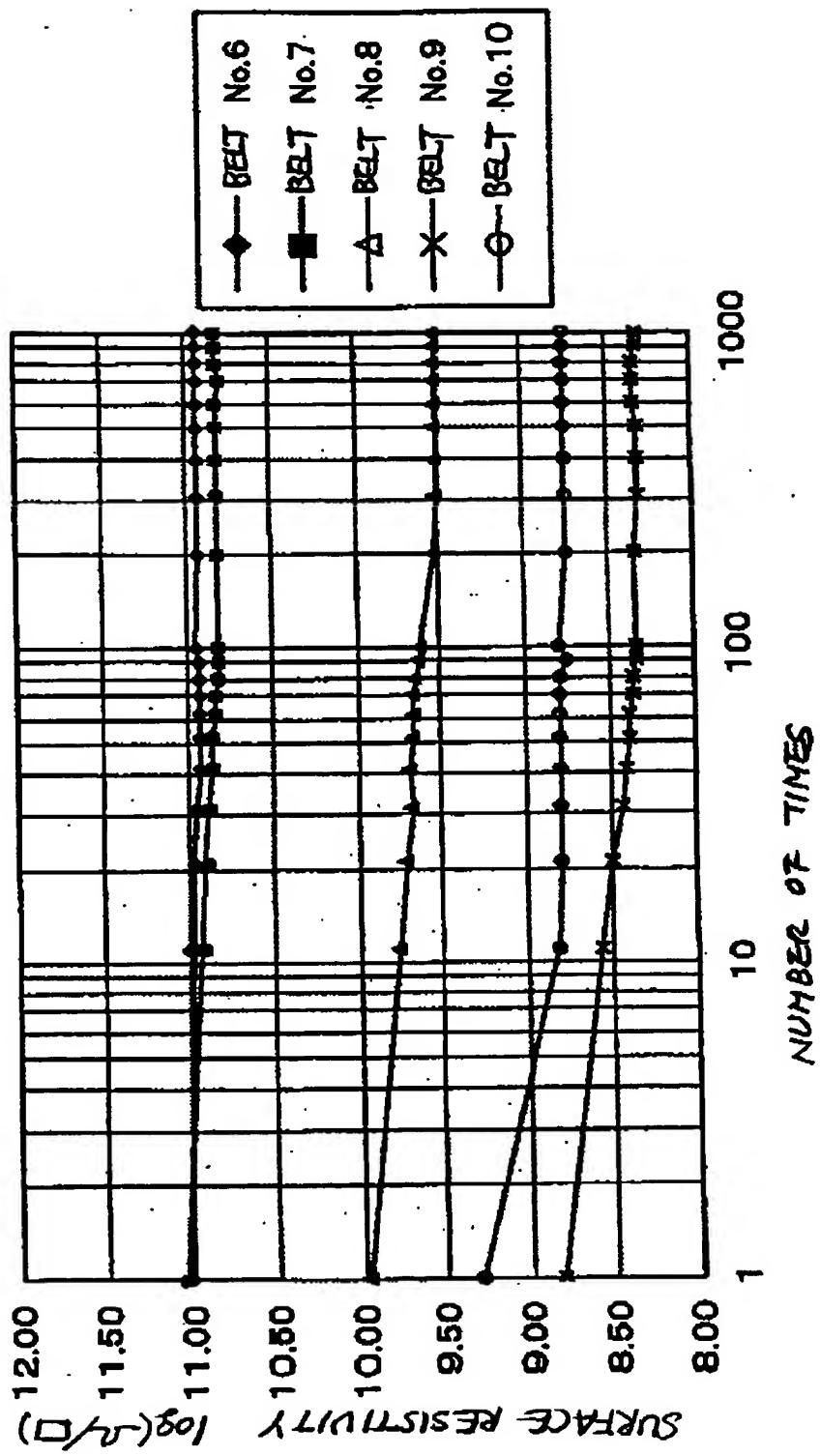


FIG. 7

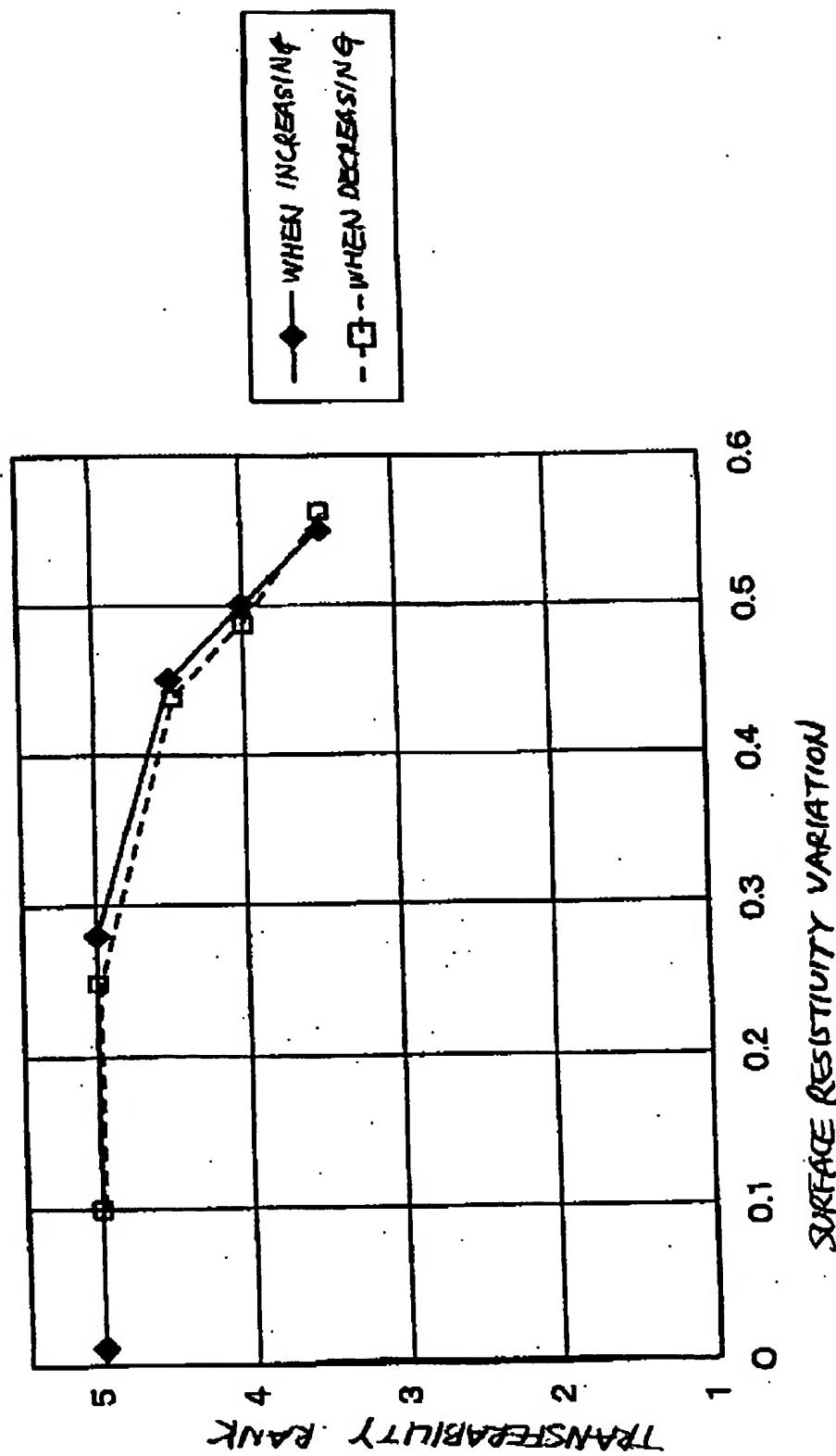


FIG. 8

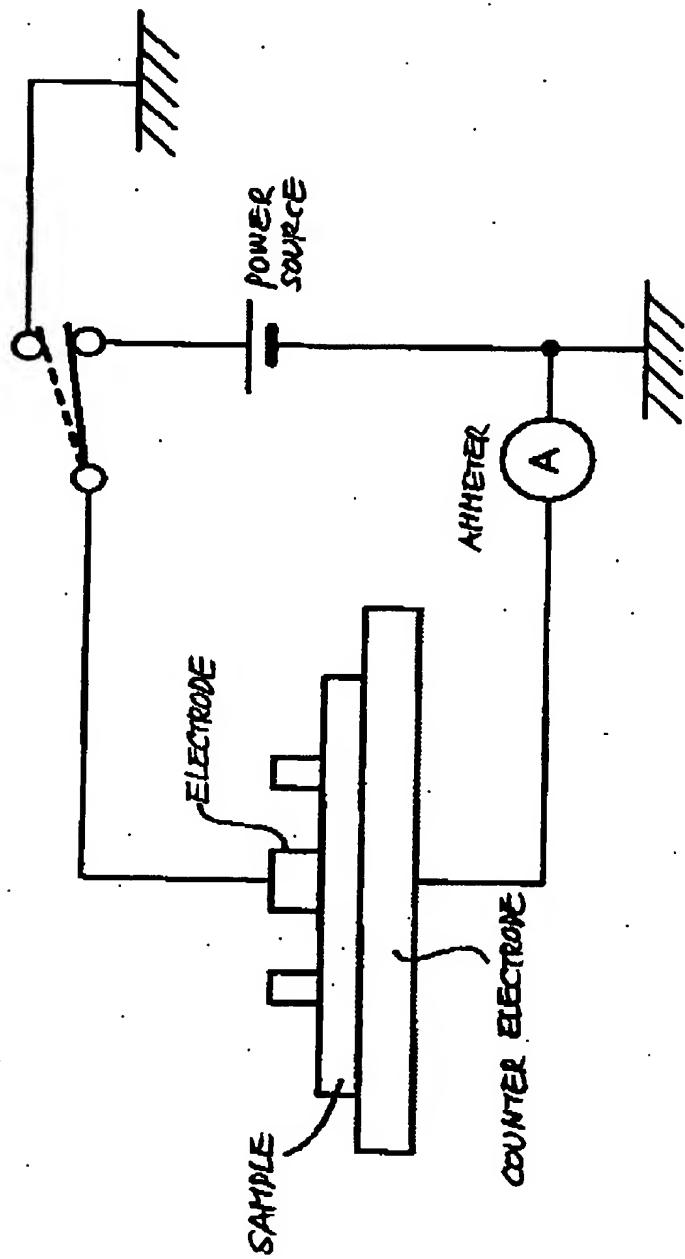


FIG. 9

BELT NO.	VOLMETRIC RESISTIVITY VOLUME VALUE Log (Ω cm)	TRANSFERABILITY RANK
11	0. 74	5
12	1. 18	5
13	1. 79	4. 5
14	2. 11	4
15	2. 80	3. 5

FIG. 10

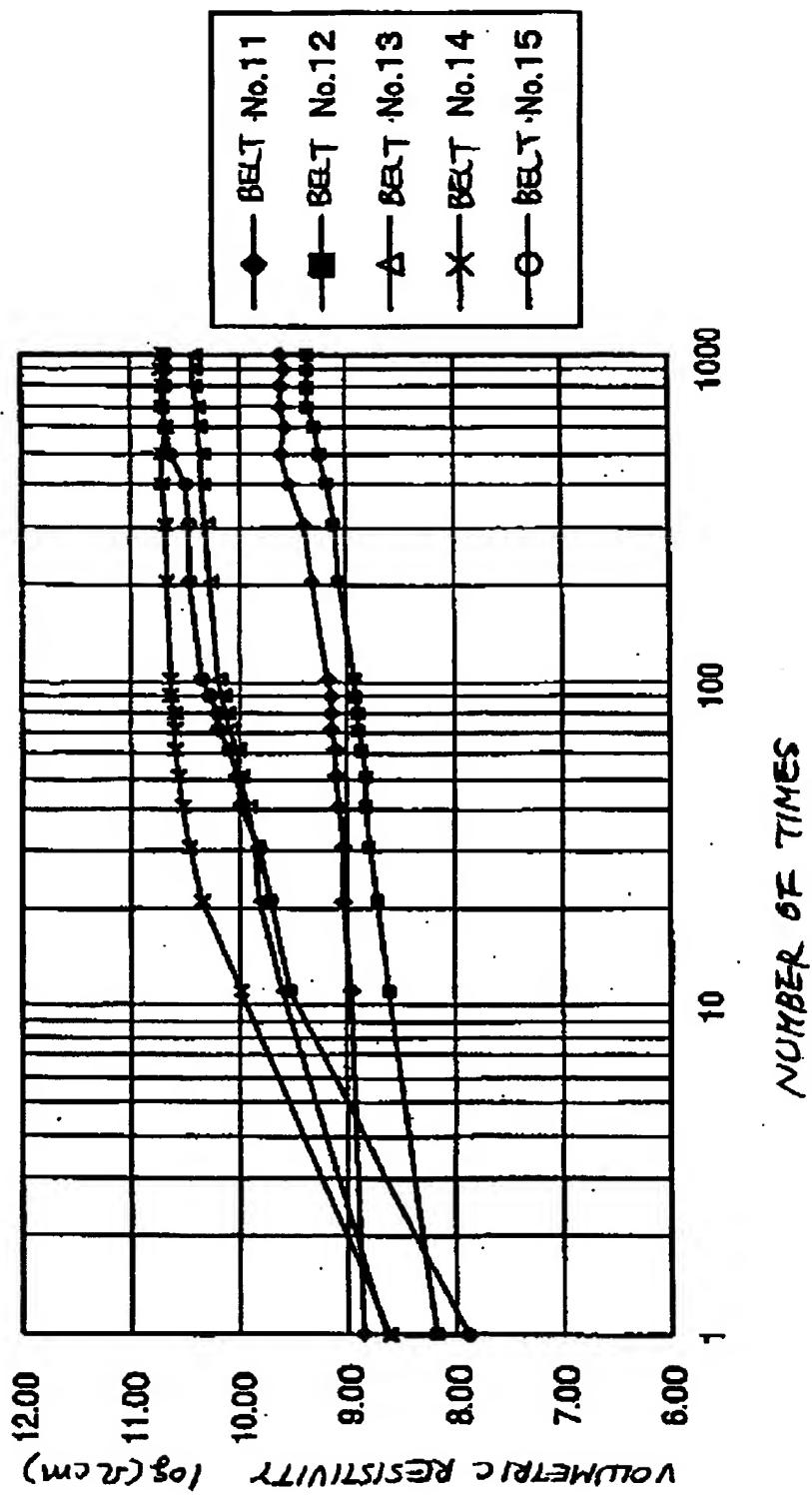


FIG. 11

BELT NO.	VOLUMETRIC RESISTIVITY VARIATION IN ABSOLUTE VALUE LOG. ($\Omega \text{ cm}$)	TRANSFERABILITY RANK
16	0.11	5
17	1.09	5
18	2.08	4
19	2.53	3.5

FIG. 12

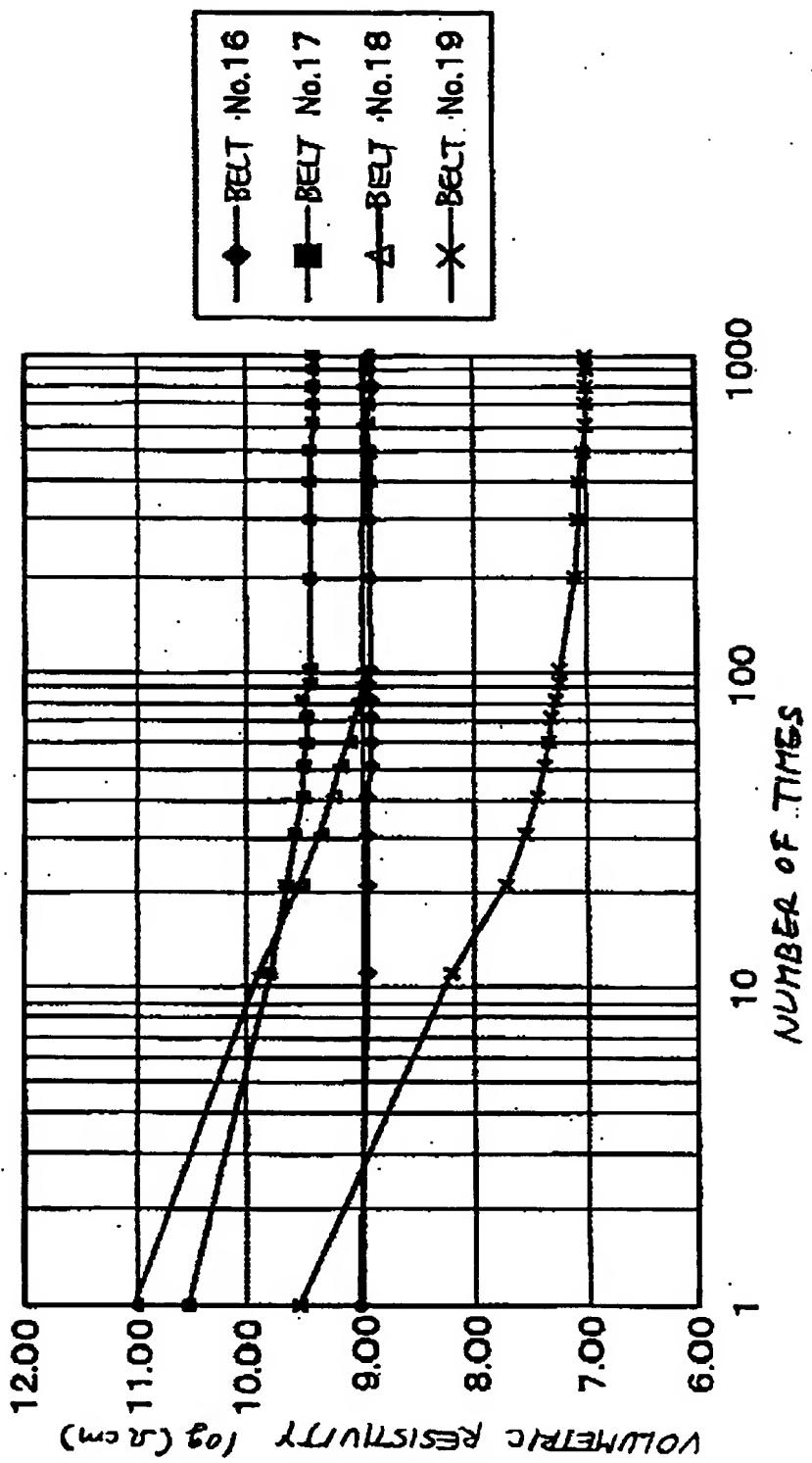


FIG. 13

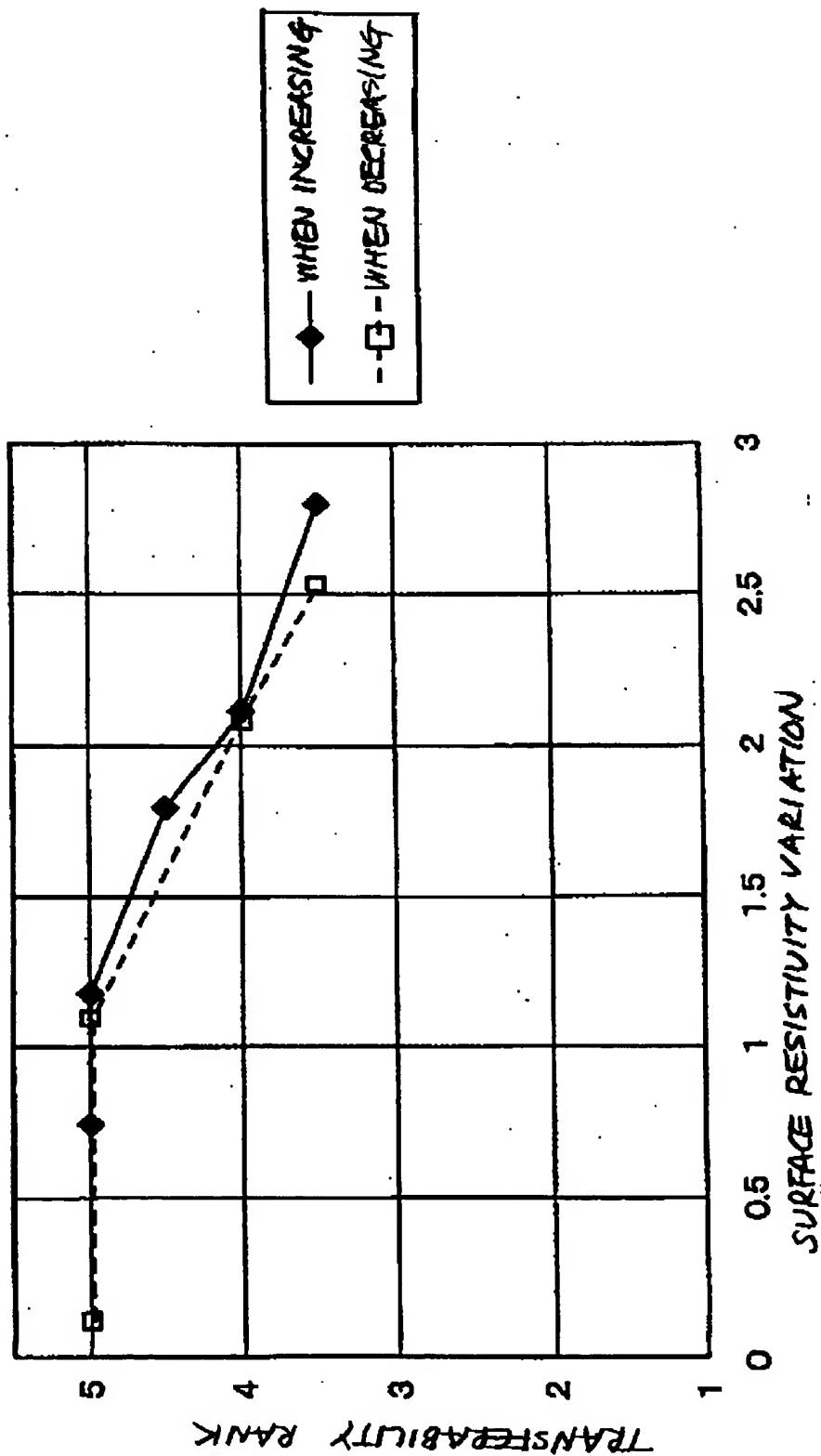


FIG. 14

BELT NO.	BIAS CONTROL	IMAGE AREA RATIO	IMAGE DENSITY
20	CONSTANT VOLTAGE	5 %	O
	CONSTANT CURRENT	95 %	O
20	CONSTANT VOLTAGE	5 %	X
	CONSTANT CURRENT	95 %	O

FIG. 15

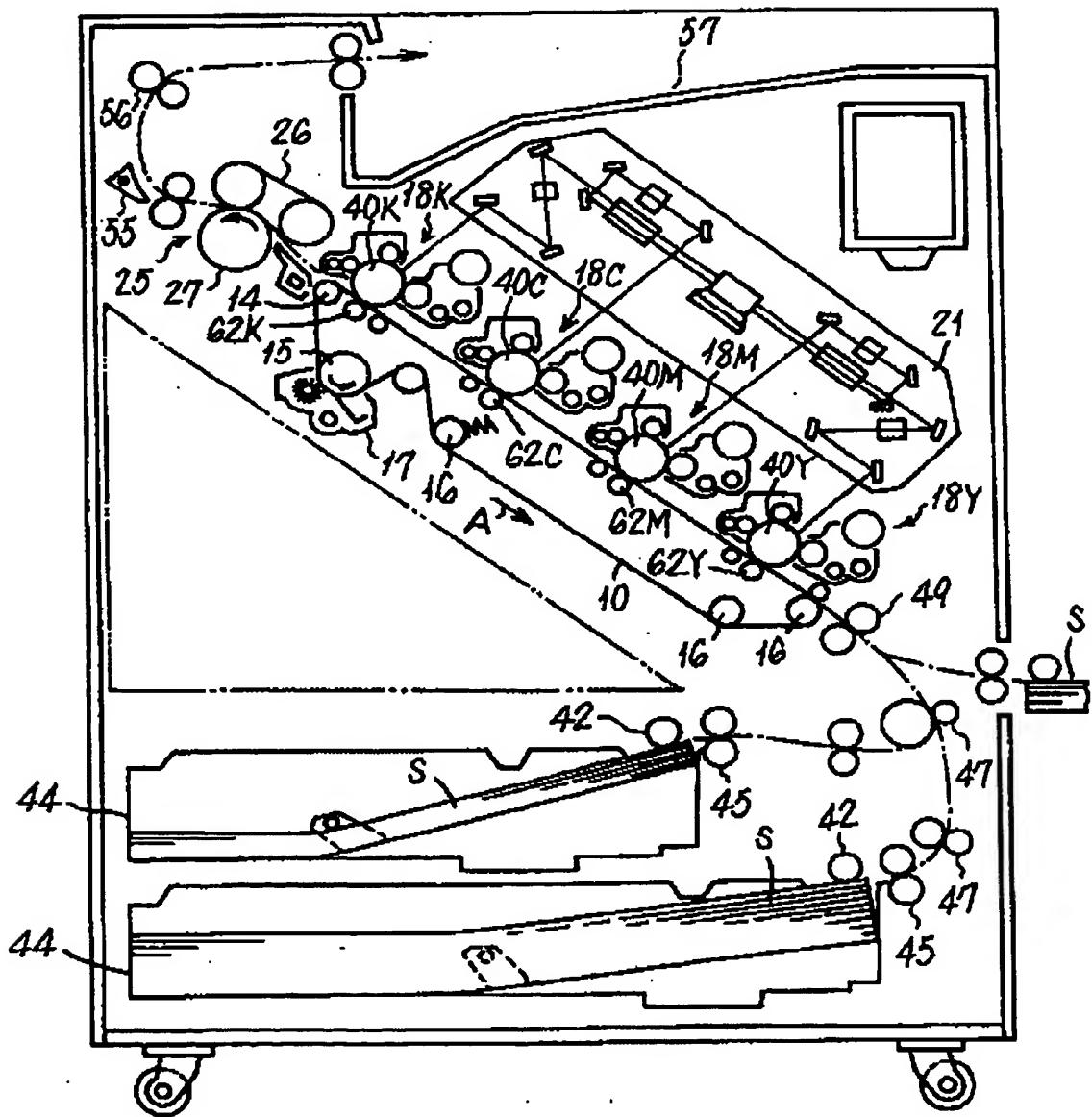


FIG. 16

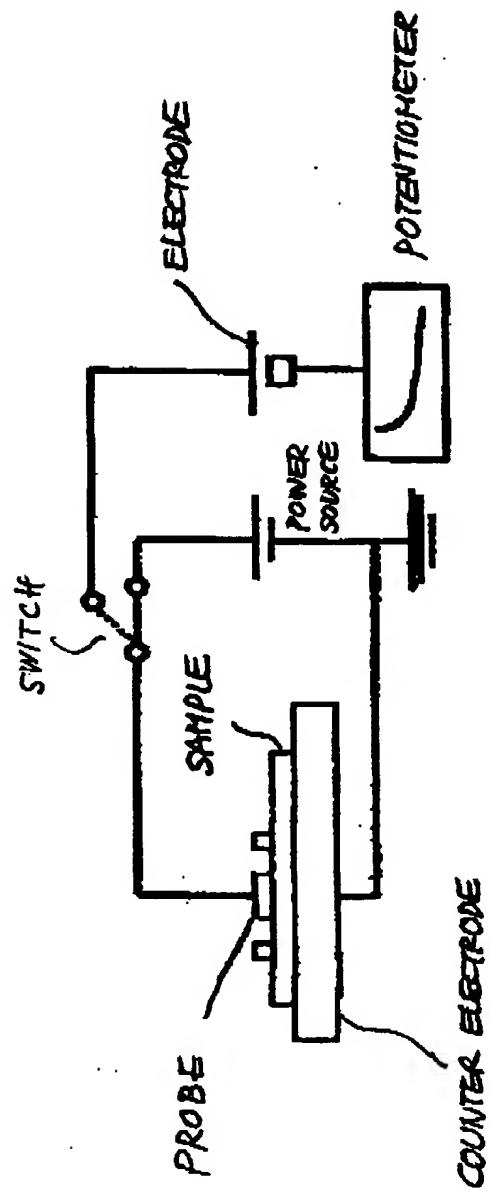


FIG. 17

BELT No.	5- SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	IRREGULARITY
1	481	489	X
2	436	467	X
3	207	268	△
4	134	171	○
5	151	173	○
6	11	16	○

FIG. 18

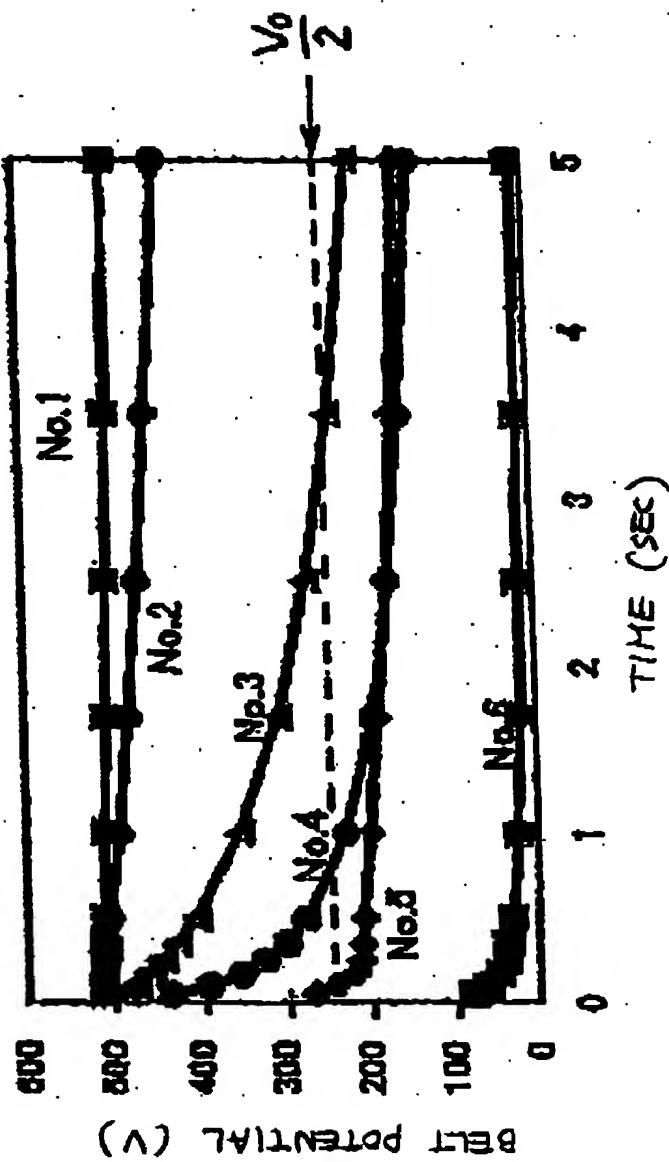


FIG. 19

BELT NO.	MATERIAL SURFACE RESISTIVITY [Ω/□]	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	THICKNESS [μm]	TRANSFER RATIO	DISCHARGE MARK
7	8.90×10^6	15	20	78.0	X	○
8	1.22×10^7	22	32	80.2	△	○
9	1.29×10^8	20	40	86.0	○	○
10	1.04×10^9	481	489	100.5	○	○
11	2.00×10^9	35	48	81.6	○	○
12	2.77×10^9	183	207	100.2	○	○
13	1.17×10^{10}	436	467	79.6	○	○
14	7.21×10^{11}	120	162	80.6	○	△
15	5.88×10^{12}	201	222	112.3	○	×

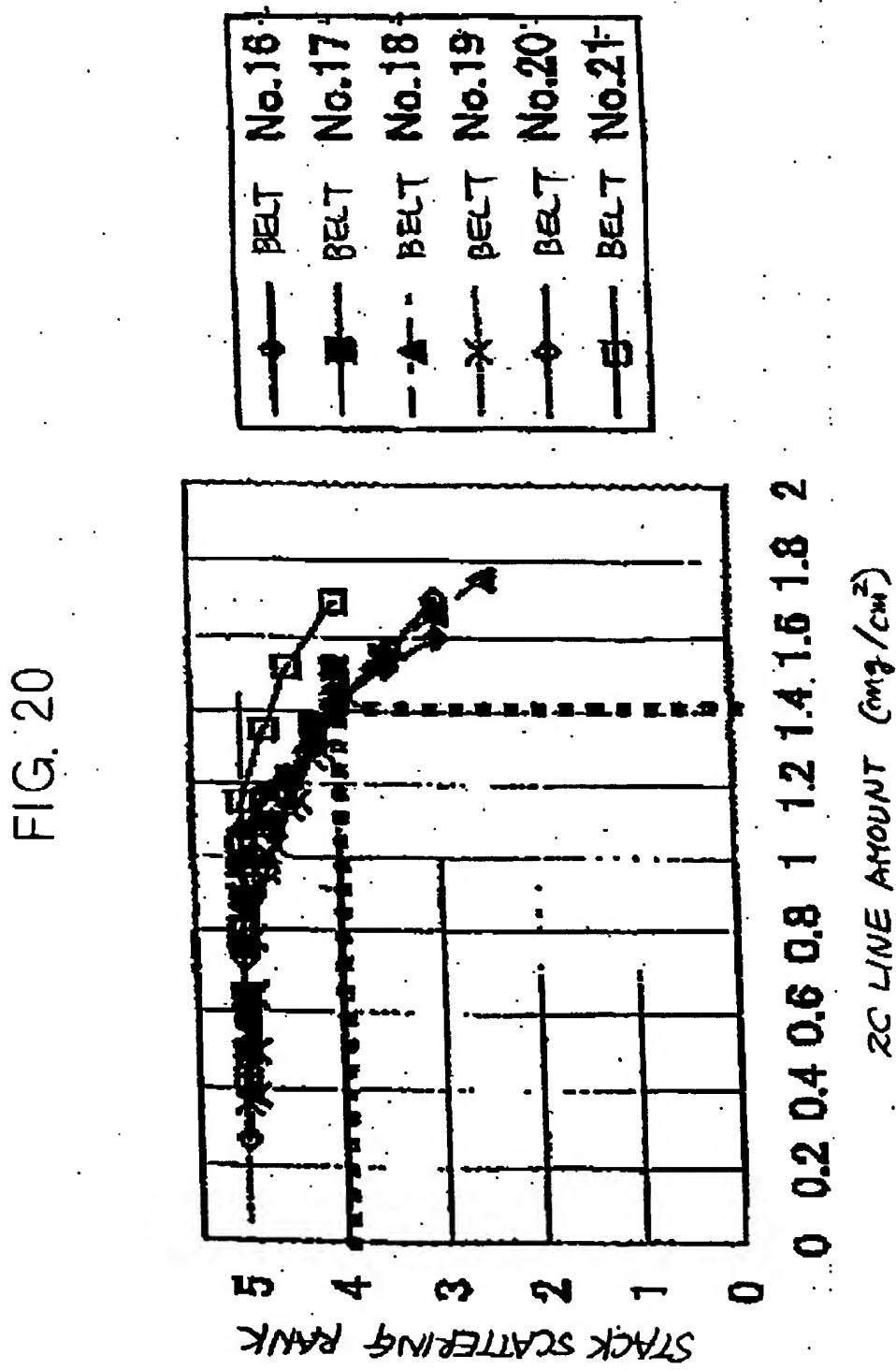


FIG. 21

BELT NO.	INNER DIAMETER [mm]	RESISTIVITY [Ω/□]	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	THICKNESS [μm]
16	1.29×10 ⁸	20	35	48	81.6
17	2.00×10 ⁸	20	35	40	86.0
18	1.17×10 ⁸	88	101	135	80.6
19	1.38×10 ⁸	88	101	183	100.2
20	9.77×10 ⁸	88	101	207	100.5
21	1.04×10 ⁹	88	101	481	48.9

FIG. 22

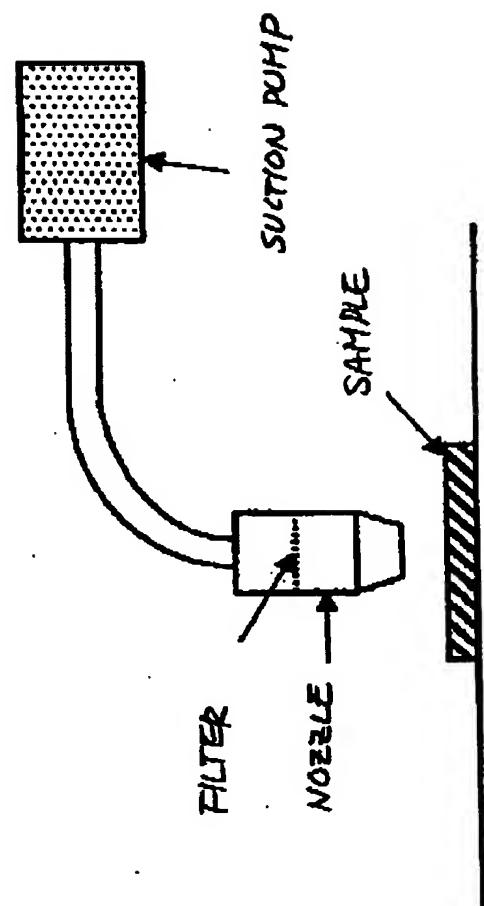


FIG. 23

LINE PORTION

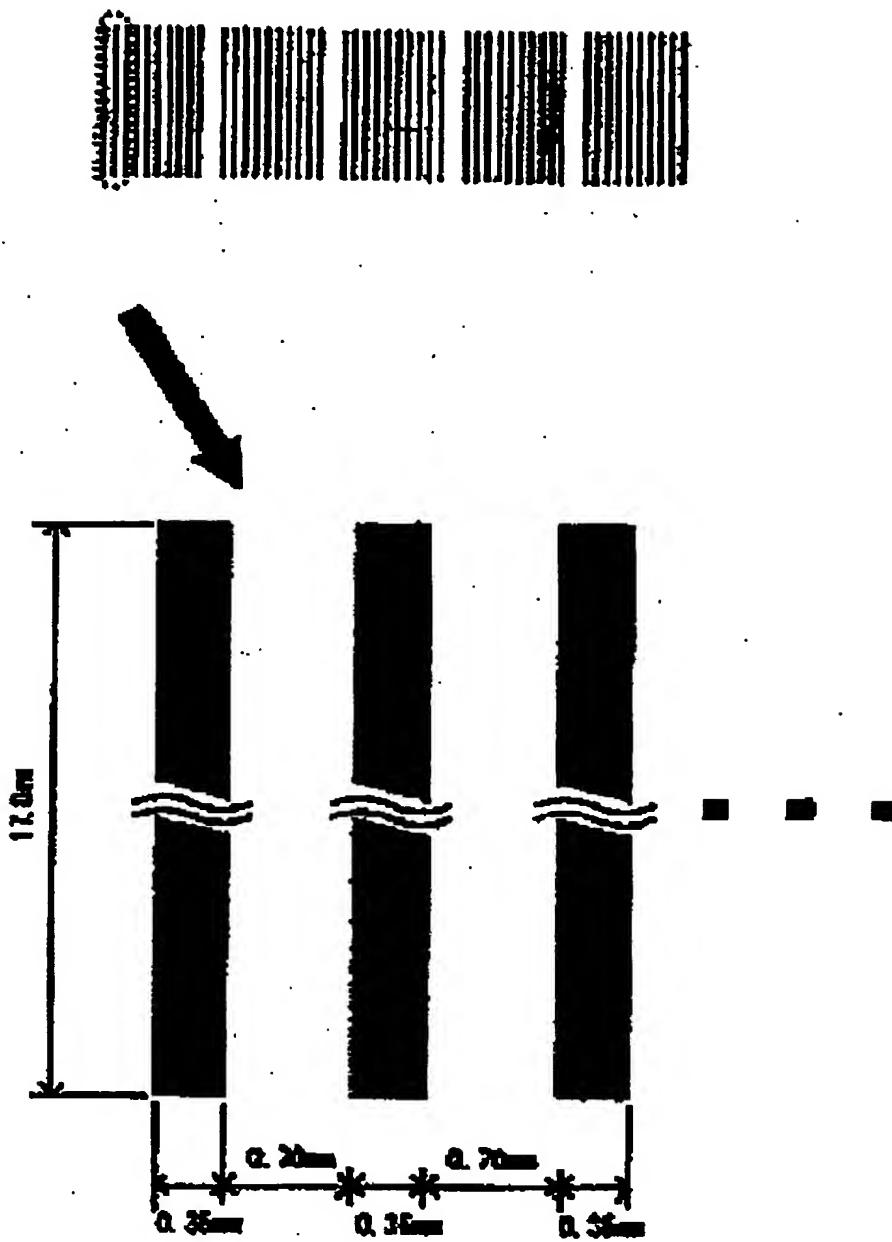


FIG. 24

SOLID PORTION

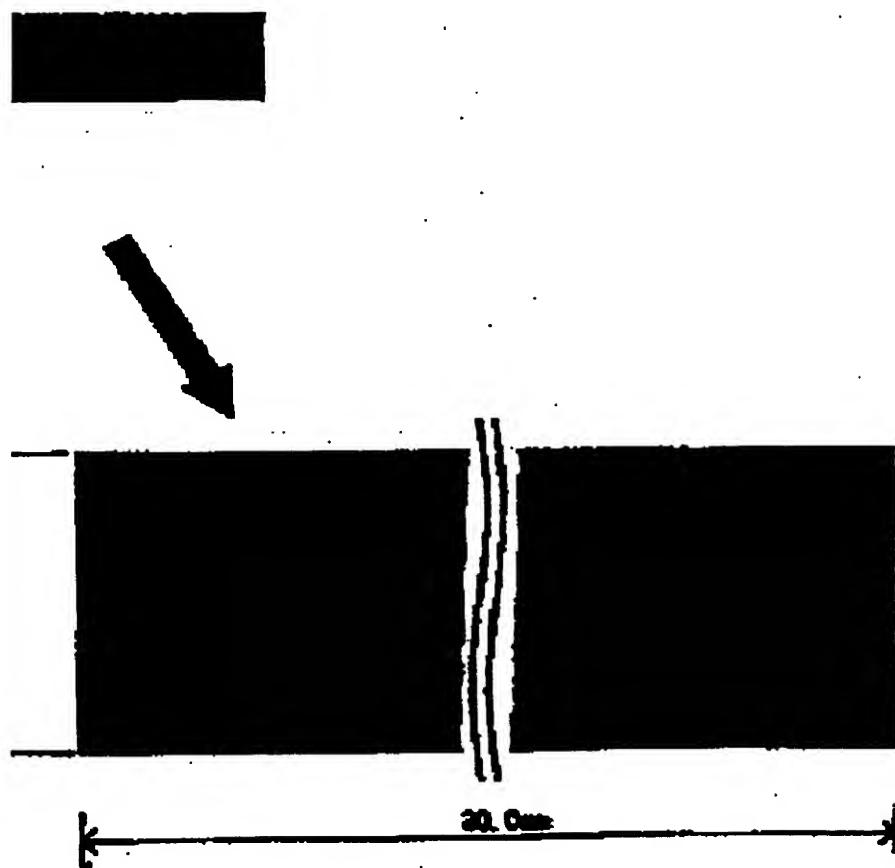


FIG. 25

BELT NO. 18	BELT NO. 20	BELT NO. 17	BELT NO. 19	BELT NO. 21	BELT NO. 16
STRAFFC scattering	N/A	STRAFFC scattering	N/A	STRAFFC scattering	N/A
175	25	170	3	1.69	3
166	9	155	35	1.52	35
157	35	141	4	1.42	4
146	4	121	45	1.35	4
138	108	108	45	1.15	45
118	114	101	45	1.03	45
110	96	96	45	0.90	45
101	73	73	45	0.86	45
077	51	51	45	0.61	45
057	27	27	45	0.41	45
037	20	20	45	0.38	45
020	20	20	45	0.38	45

FIG. 26

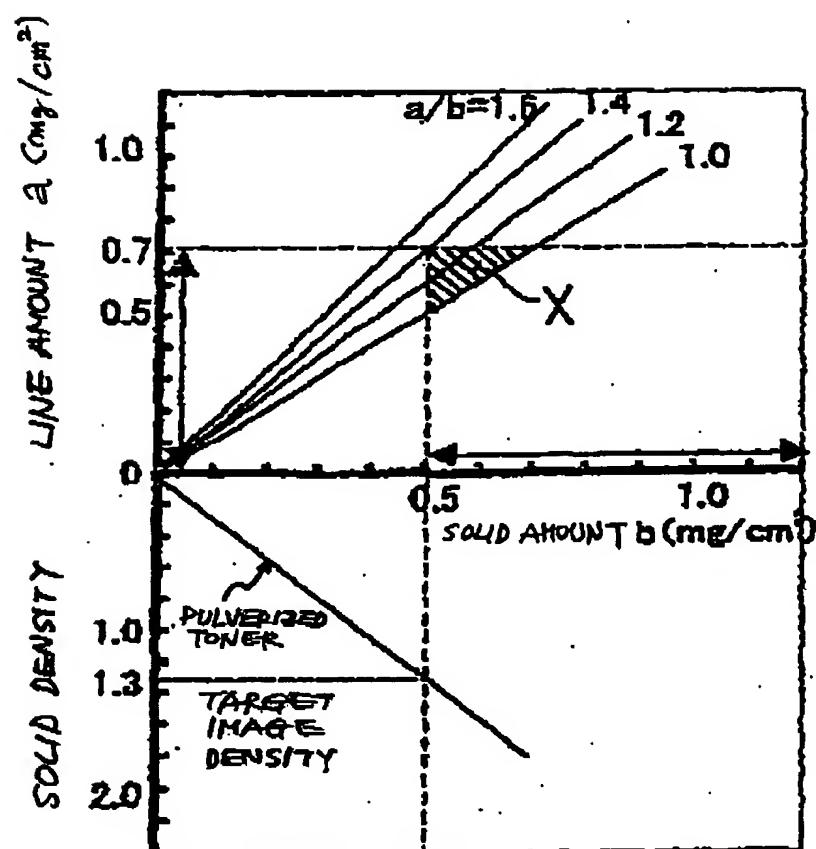


FIG. 27

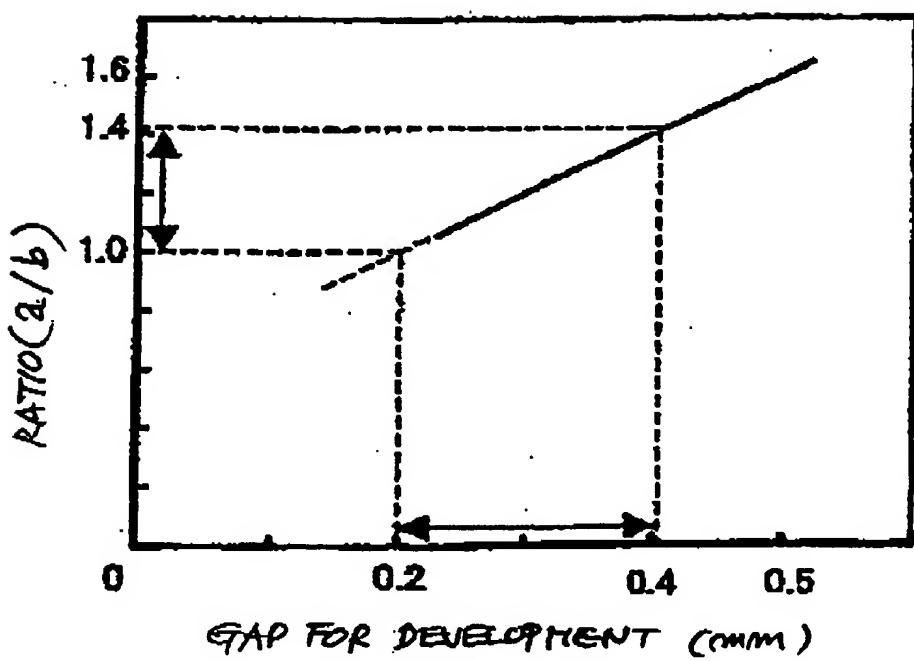


FIG. 28

GRAPH	TUBE	SOLID DENSITY	SOLID AMOUNT	LINES AMOUNT	RATIO (a/b)	STACK SCATTERING RANK
EX. 5	0. 3	POWERED	1. 31	0. 6	0. 63	1. 22
COR. EX. 5	0. 5	MIXED	1. 29	0. 5	0. 79	1. 67

FIG. 29

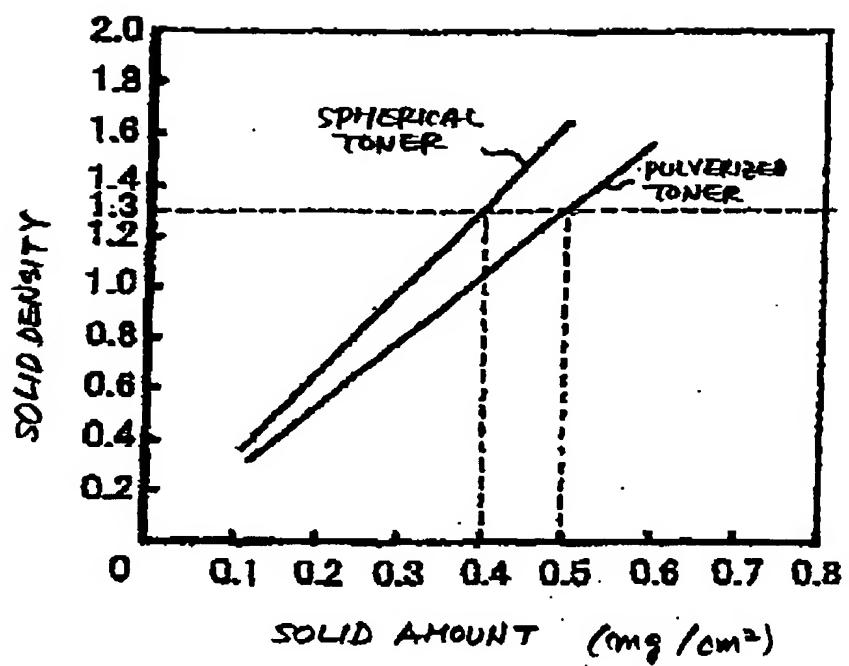


FIG. 30

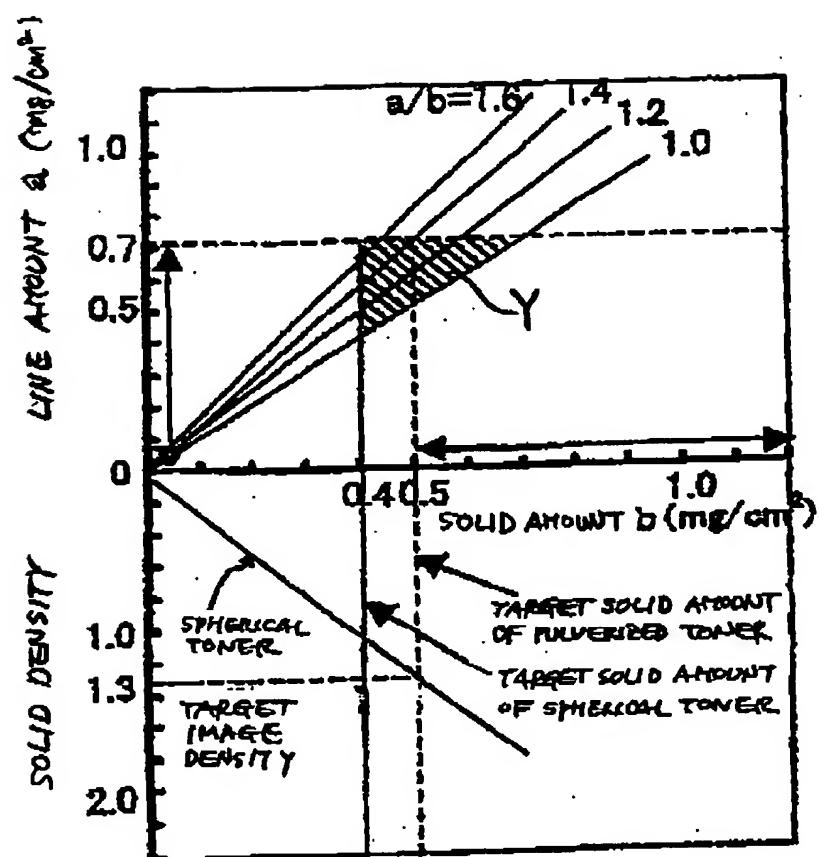


FIG. 31

	GAP	THER	SOLID DENSITY	SOLID AMOUNT	LNE AMOUNT	RATIO (a/b)	STICK SCATTERING RANK	EMISSION RANK
EX. 6	0.4	SPHERICAL	1.31	0.41	0.58	1.42	5	5
CON. EX. 6	0.4	PULVERIZED	1.28	0.49	0.7	1.43	3.5	3

FIG. 32

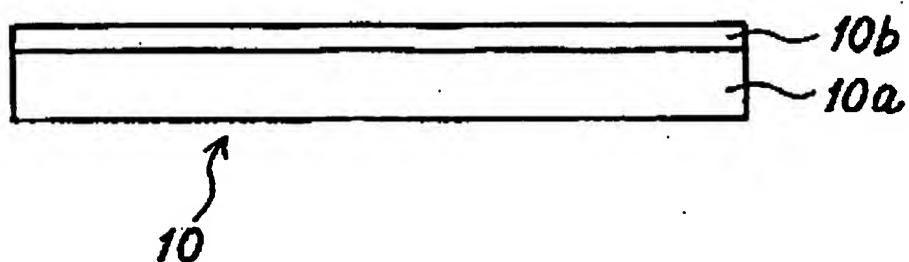


FIG. 33

BELT No.	5-SECOND POTENTIAL [V]	IRREGULARITY	CLEANING
22	212	△	×
23	235	○	○

FIG. 34

BELT No.	5-SECOND POTENTIAL(AC [V])	T-SECOND POTENTIAL(AC [V])	(IRRREGULARITY)
1	481	495	X
2	436	480	X
3	207	311	△
4	134	198	○
5	151	190	○
6	11	16	○

FIG. 35

